



# Cannon Artillery Munitions Life Cycle Integrated Product Team



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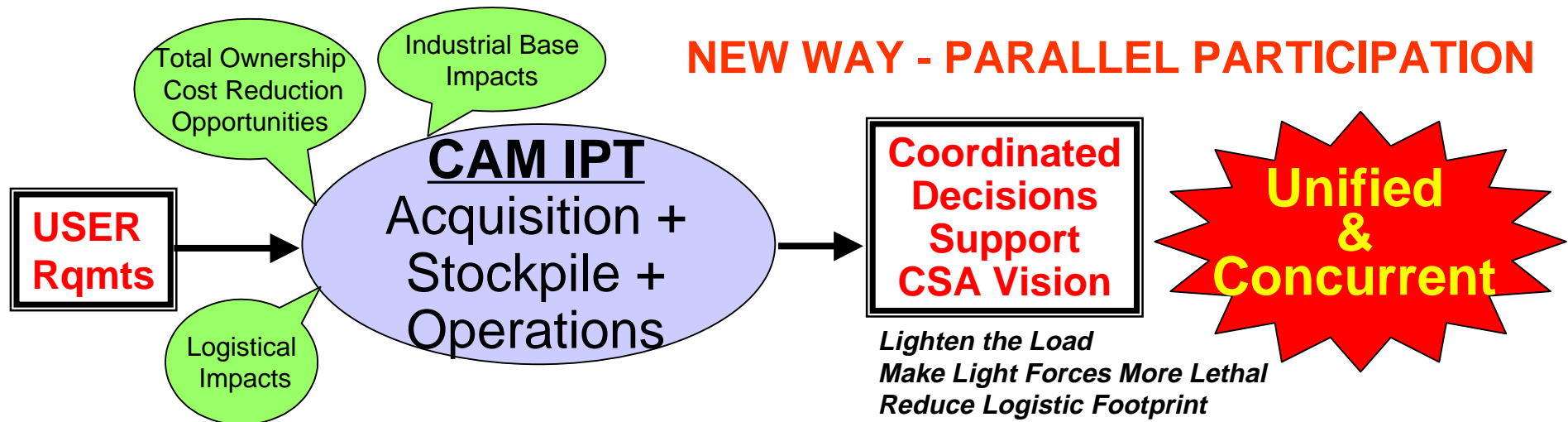
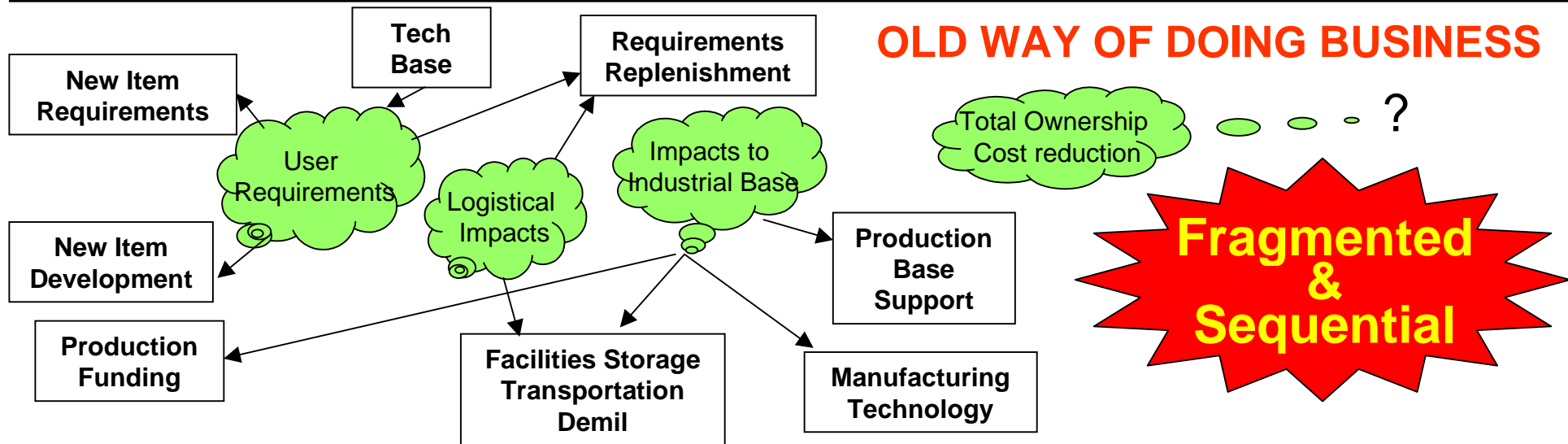
# **Cannon Artillery Munitions (CAM) IPT Bottom Line Up Front**

## **CAM IPT - A Successful Teaming Approach to Managing Ammunition**

- **Life Cycle Considerations Addressed in**
  - \* **Day to Day Execution of Acquisition and Logistics Issues**
  - \* **Strategic Planning**
- **Initial Customer Buy-In... Needs Are Identified/Understood Up Front**
- **Continuous Customer Satisfaction...Thru Real Time Feedback**
- **Team Execution of User's Munition Centrality Roadmap Strategy**

# Cannon Artillery Munitions IPT

## Challenging the Process...and the Precepts



*Cannon Artillery Munitions Family Speaks With "One Voice"*

# Cannon Artillery Munitions IPT Life Cycle Management

## Mission / Objectives:

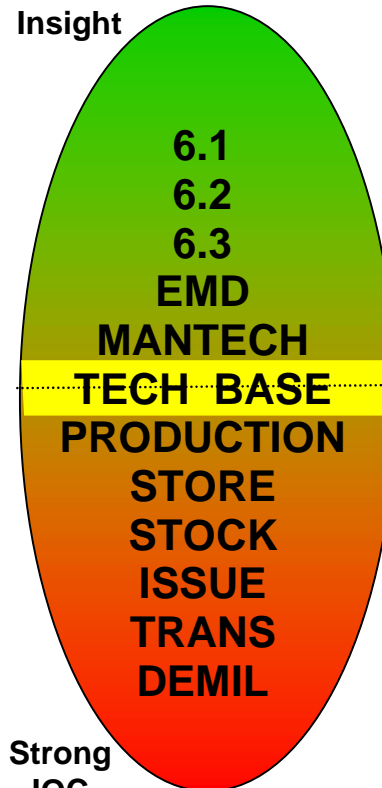
- Better Products to the Warfighter
- Improved Logistics and Sustainability
- Reduce Total Ownership Cost
- Look into the Future

## Stakeholders:

- PM-ARMS (Lead)
- PEO GCSS
- USAFAS
- IOC
- DCS AMMO
- USMC
- PM Joint Lightweight
- TACOM ARDEC
- DCSOPS
- DCSLOG
- ASA ALT
- TRADOC
- PM-Crusader
- Army Fuze Mgmt Office
- Defense Logistics Agency
- SBC Command
- EDCA
- STRICOM

## Life Cycle

Strong  
PMO/ARDEC  
Insight



Strong  
IOC  
Insight

## Current Thrusts:

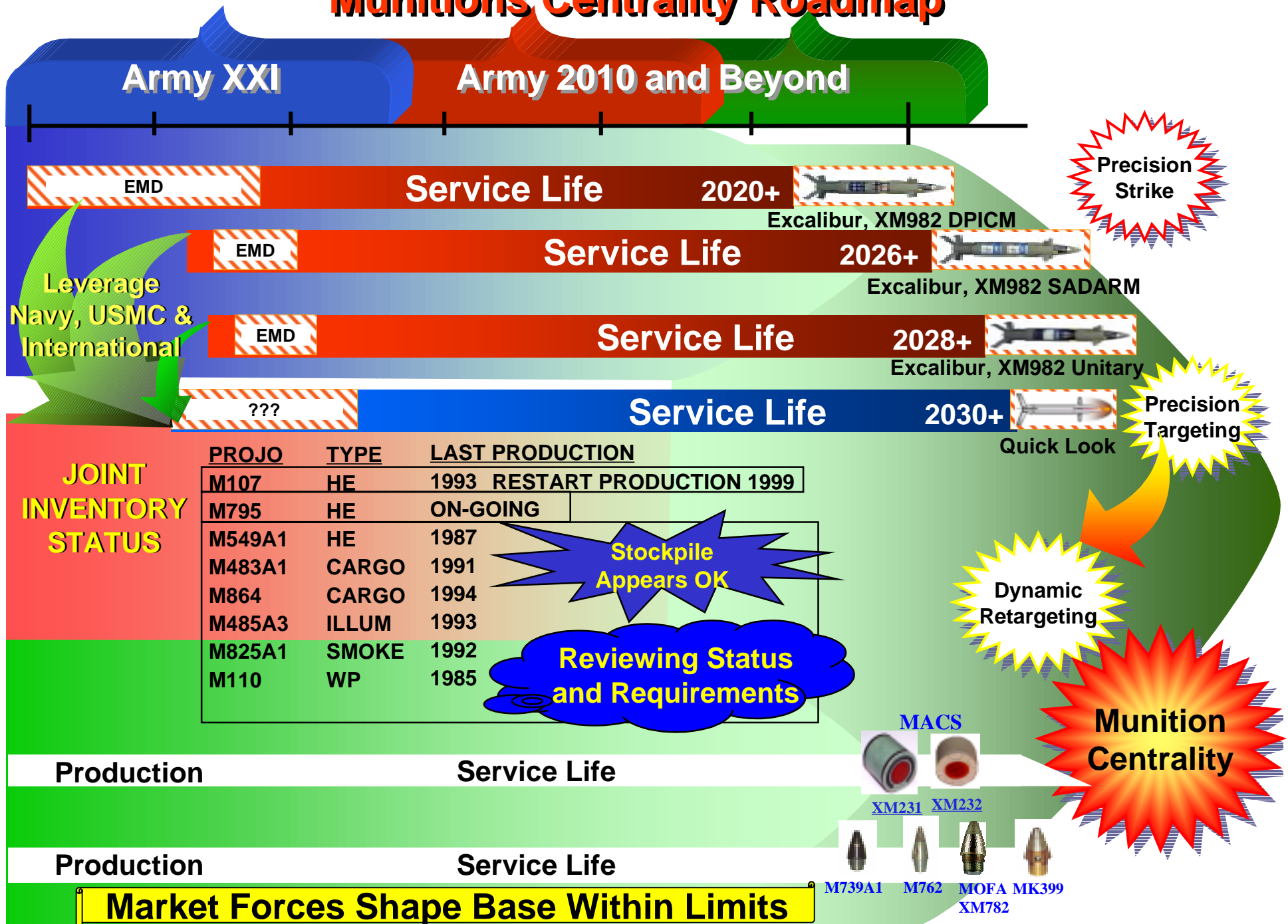
### Tiger Team Works “Big Hitter” Issues

- Strategy to Insert Insensitive Munitions
- Executing Strategic Looks at HE, ICM, etc...to Influence Investment Strategies
- Maintenance, Shelf Life & Necessity for M549A1 Extended Life Program
- Technology Insertion Opportunities for IR Illum and Multi-Spectral Smoke
- Upgrade of Stockpile Effectiveness via Joint Guidance Integrated Fuze
- Enhanced Opportunities for Integrating Simulation and Training

**Stakeholders Work  
Together ... Resolve  
Life Cycle Issues**

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# Munitions Centrality Roadmap



# Cannon Artillery Projectile Modernization...Near Term 155mm Plan

*Lightens the Load... Makes Lighter Forces More Lethal... Reduces Logistical Footprint*

**Near Term (0-4 yrs)**

**POM focus (5-7 yrs)**

**Ext Plan (8-15 yrs)**

**M483  
Cargo**

**SADARM  
M898E1** ♦

**More Effective and  
Insensitive Munitions..and  
Fewer Duds!**

**M864  
Ext Rng  
Cargo**

**EXCALIBUR**

**DPICM** ♦ 4x - 6x more effective; 25% greater range

**SADARM** ♦

**Unitary** ♦

**Precision Munitions...  
Kills Faster and deeper  
Lightens Logistic Load**

**M107/M795  
HE**

**Enhance Legacy Stockpile  
...Kills Faster and Deeper**

**Improved HE ♦  
Fire Support Accuracy  
Enhancements**

**M549A1  
Ext Rng HE**

**Improved Extended Range HE  
3x-10x more effective ♦  
with Guidance  
Integrated Fuze**

**M485 Illumination  
M110 & M825A1 Smoke**

**Re-validate Cannon  
Artillery Requirements**

**Better Illumination - IR  
Better Smoke Multi-  
Spectral, Cold Smoke**

**Supports New CSA Vision!**

## **Cannon Artillery Munitions Teaming ...the Benefits**

- Integrated M107/M795 IM Efforts ... \$500K Estimated Cost Avoidance
- HE Round Strategic Look
  - \* Identified Targets of Opportunity For Decisions to Optimize Readiness/Modernization Balance...Enhanced Simulation
  - \* Integrated Planned Obturator Maintenance and Proposed Upgrade of M549A1 ... \$5M Estimated Potential Cost Avoidance
- Identified Future Battlefield Needs for IR Illumination and Multi-Spectral Smoke Rounds
- Revitalized Army/Navy Joint Guidance Integrated Fuze...Can Convert 1 Million Round Stockpile of M864, M549A1 To Competent Munitions
- Conducted M107/M795 Combined Design of Experiments for LAP... Demonstrated Opportunity for Common Production Loading Processes

***A Win - Win Scenario For The Warfighter***

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# **Cannon Artillery Munitions (CAM) IPT Bottom Line**

**Working Life Cycle Acquisition and Logistic Issues...Together!**

**Customer Satisfaction...Up Front and Continuous!**

**Executing User's Munition Centrality Roadmap Strategy...  
Supports New CSA Vision!**

**CAM IPT - A Successful Teaming Approach  
to Managing Ammunition!**

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